Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/11/2019 10:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123015	-2	4.50	123216	4.43
Blue	F	SSC	125000	122694	-2	4.03	123657	3.96
Blue	E	FITC	16122	15517	-4	4.46	339	21.42
Blue	D	PE	29316	28608	-3	4.14	623	16.51
Blue	B	PerCP-Cy5-5	42590	41423	-3	5.35	1115	21.58
Blue	A	PE-Cy7	33146	33063	-1	8.19	628	43.84
Red	C	APC	45473	44514	-3	3.63	1579	12.38
Red	A	APC-Cy7	31961	30385	-5	5.11	800	13.01
Violet	B	V450	7914	7564	-5	3.84	567	11.97
Violet	A	V500	29769	28979	-3	3.60	708	10.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18980	8.08	615	15	N/A	N/A	Pass
Blue	F	SSC	54547	4.42	549	11	N/A	N/A	Pass
Blue	E	FITC	61	72.32	544	7	0.0194	306	Pass
Blue	D	PE	129	53.44	547	10	0.1266	236	Pass
Blue	B	PerCP-Cy5-5	203	54.91	649	11	0.0085	136	Pass
Blue	A	PE-Cy7	113	110.70	709	18	0.0096	18	Pass
Red	C	APC	371	26.56	588	9	0.0253	266	Pass
Red	A	APC-Cy7	176	30.46	565	9	0.0055	1363	Pass
Violet	B	V450	130	32.09	461	1	0.0321	1028	Pass
Violet	A	V500	116	34.88	475	3	0.0204	1314	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.38	-31.66	0.97
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.32	13.60 - 20.40	N/A	N/A	28.95	29.55	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9666

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments